

```

EEEEEEEEEEEEEEEEEE DDDDDDDDDDDDDDD TTTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEEEE DDDDDDDDDDDDDDD TTTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEEEE DDDDDDDDDDDDDDD TTTTTTTTTTTTTTTT
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```

**EXE**

Mod

ED 1

ED

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ED1

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ED

ED  
EDED  
EDSYS  
LIB

L18

[illegible]

```

LL          IIIIII          SSSSSSSS
LL          IIIIII          SSSSSSSS
LL          II             SS
LL          II             SS
LL          II             SS
LL          II             SS
LL          II             SSSSSS
LL          II             SSSSSS
LL          II             SS
LL          II             SS
LL          II             SS
LL          II             SS
LLLLLLLLLLLL IIIIII          SSSSSSSS
LLLLLLLLLLLL IIIIII          SSSSSSSS

```

```
0001 0 %TITLE 'EDT$SYSVAX - VAX/VMS system specific storage'
0002 0 MODULE EDT$SYSVAX ( ! VAX/VMS system specific storage
0003 0 IDENT = 'V04-000' ! File: SYSVAX.B32 Edit: JBS2034
0004 0 ) =
0005 1 BEGIN
0006 1
0007 1 *****
0008 1 *
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0027 1 *****
0028 1
0029 1
0030 1
0031 1 ++
0032 1 FACILITY: EDT -- The DEC Standard Editor
0033 1
0034 1 ABSTRACT:
0035 1
0036 1 This module contains system specific code for the VAX/VMS
0037 1 environment.
0038 1
0039 1 ENVIRONMENT: VAX/VMS only
0040 1
0041 1 AUTHOR: Bob Kushlis, CREATION DATE: March 22, 1979
0042 1
0043 1 MODIFIED BY:
0044 1
0045 1 Bob Kushlis, 10-JUL-1979
0046 1 Convert the case of the file names.
0047 1 John Sauter, 19-Dec-1980, 02
0048 1 Add tracing.
0049 1 2-003 - Regularize the headers. JBS 19-Feb-1981
0050 1 2-004 - Allocate an event flag for the "working" message, and make it
0051 1 cancel only its own timers. JBS 19-Feb-1981
0052 1 2-005 - Fix module header and certain symbols. JBS 30-Mar-1981
0053 1 2-006 - Stop the "working" message only if it is running. JBS 02-Apr-1981
0054 1 2-007 - Implement the virtual deallocation routine. TMV 6-Aug-81
0055 1 2-008 - EDT$SALO_HEAP should return 1 if successful, 0 if not.
0056 1 JBS 07-Aug-1981
0057 1 2-009 - Remove calls to LIB$SHOW_VM. JBS 21-Aug-1981
```



```
58 0058 1 2-010 - Add date/time routine. STS 02-Sep-1981
59 0059 1 2-011 - Add deallocation of text string area. STS 06-Oct-1981
60 0060 1 2-012 - Always do deallocation of text and entity string areas. STS 06-Nov-1981
61 0061 1 2-013 - Add global for SET/SHOW HELP command. SMB 16-Dec-1981
62 0062 1 2-014 - Revise timer AST logic. JBS 13-Jan-1982
63 0063 1 2-015 - Change 32-bit line# to 48 bit. SMB 16-Jan-1982
64 0064 1 2-016 - Move line number declarations to DATA.BLI. SMB 29-Jan-1982
65 0065 1 2-017 - Take out extra space in date when day is single digit. STS 02-Feb-1982
66 0066 1 2-018 - Fix a race condition in timer AST logic. JBS 10-Feb-1982
67 0067 1 2-019 - Take out call to sy$exit. STS 19-Feb-1982
68 0068 1 2-020 - Add edt$$z_wf_desc to deallocation list. STS 09-Mar-1982
69 0069 1 2-021 - Define the default startup file names. JBS 18-Mar-1982
70 0070 1 2-022 - Correct the length of EDTINI. JBS 08-Apr-1982
71 0071 1 2-023 - Change the HELP file default name. SMB 10-May-1982
72 0072 1 2-024 - Put the default startup file on SYS$LIBRARY. JBS 08-Jun-1982
73 0073 1 2-025 - Erase the working message line in STOP WKINGMSG. SMB 28-Jun-1982
74 0074 1 2-026 - New implementation of defined keys. JBS 12-Aug-1982
75 0075 1 2-027 - Change the command file name. JBS 23-Aug-1982
76 0076 1 2-028 - Change the command file name again. JBS 17-Sep-1982
77 0077 1 2-029 - Change EDT$$FMT LIT to EDT$$FMT STR. JBS 05-Oct-1982
78 0078 1 2-030 - Remove deallocation of edt$$z_wf_desc. STS 11-Nov-1982
79 0079 1 2-031 - Add a hack to debug insufficient memory problems. JBS 15-Nov-1982
80 0080 1 2-032 - Add a call to deassign terminal channel. STS 21-Dec-1982
81 0081 1 2-033 - Deassign the terminal channel before halting trace, since the
82 0082 1 terminal deassign may output a keypad setting. JBS 26-Apr-1983
83 0083 1 2-034 - Improve the appearance of the listing. JBS 17-Jun-1983
84 0084 1 --
85 0085 1
```



```

87 0086 1 %SBTTL 'Declarations'
88 0087 1
89 0088 1 | TABLE OF CONTENTS:
90 0089 1 |
91 0090 1
92 0091 1 REQUIRE 'EDT$SRC:TRAROUNAM';
93 0530 1
94 0531 1 FORWARD ROUTINE
95 0532 1     EDT$INTER_ERR : NOVALUE,
96 0533 1     EDT$SYS_EXI : NOVALUE,
97 0534 1     EDT$GET_DATE : NOVALUE,
98 0535 1     EDT$ALO_HEAP,
99 0536 1     EDT$DEA_HEAP : NOVALUE,
100 0537 1     EDT$DEA_ALLHEAP : NOVALUE,
101 0538 1     WORKAST : NOVALUE,
102 0539 1     EDT$START_WKINGMSG : NOVALUE,
103 0540 1     EDT$STOP_WKINGMSG : NOVALUE,
104 0541 1     EDT$MSG_TOSTR : NOVALUE;
105 0542 1
106 0543 1 |
107 0544 1 | INCLUDE FILES:
108 0545 1 |
109 0546 1
110 0547 1 REQUIRE 'EDT$SRC:SYSSYM';
111 0577 1
112 0578 1 REQUIRE 'EDT$SRC:EDTREQ';
113 0713 1
114 0714 1 LIBRARY 'EDT$SRC:KEYPADDEF';
115 0715 1
116 0716 1 REQUIRE 'TRACESEL';
117 0747 1
118 0748 1 REQUIRE 'EDT$SRC:TRACEMAC';
119 0975 1
120 0976 1 |
121 0977 1 | MACROS:
122 0978 1 |
123 0979 1 |     NONE
124 0980 1 |
125 0981 1 | EQUATED SYMBOLS:
126 0982 1 |
127 0983 1 |     NONE
128 0984 1 |
129 0985 1 | OWN STORAGE:
130 0986 1 |
131 0987 1 |
132 0988 1 GLOBAL
133 0989 1     EDT$ST_HDEF_NAM : BLOCK [14, BYTE] INITIAL (BYTE (13, 'SYS$HELP:.HLB')),
134 0990 1     EDT$ST_HDEF_FILE : BLOCK [8, BYTE] INITIAL (BYTE (7, 'EDTHELP')),
135 0991 1     EDT$ST_HELP_NAM : BLOCK [NAM$C MAXRSS, BYTE] INITIAL (BYTE ('EDTHELP')),
136 0992 1     EDT$G_HELP_NAMLEN : INITIAL (7),
137 0993 1     EDT$G_HELP_SET : INITIAL (0),
138 0994 1     EDT$Z_LBR_INDEX, ! LBR Control index for HELP
139 0995 1     EDT$ST_CMD_NAM_DEF1 : BLOCK [7, BYTE] INITIAL (BYTE (6, 'EDTSYS')), ! Command file name
140 0996 1     EDT$ST_CMD_NAM_DEF2 : BLOCK [17, BYTE] INITIAL (BYTE (16, 'SYS$LIBRARY:.EDT')), ! Command file default name
141 0997 1
142 0998 1     EDT$ST_CMD_NAM_DEF3 : BLOCK [7, BYTE] INITIAL (BYTE (6, 'EDTINI')), ! Alternate command file name
143 0999 1     EDT$ST_CMD_NAM_DEF4 : BLOCK [5, BYTE] INITIAL (BYTE (4, '.EDT')); ! Alternate command file default nam
```

```
144 1000 1
145 1001 1 OWN
146 1002 1 MESSAGE : VECTOR [12, BYTE] INITIAL (BYTE ('Bug check '));
147 1003 1
148 1004 1 OWN
149 1005 1 DEL_TIME : VECTOR [2] INITIAL (-5000000, -1),
150 1006 1 WORKING_EFN,
151 1007 1 WORK_MESSAGE_RUNNING : VOLATILE INITIAL (0);
152 1008 1
153 1009 1 OWN
154 1010 1 MEM_USE : INITIAL (0), ! Currently allocated memory amount
155 1011 1 MEM_LIMIT : INITIAL (1000000000); ! Limit on amount of memory to allocate
156 1012 1
157 1013 1 !
158 1014 1 ! EXTERNAL REFERENCES:
159 1015 1 !
160 1016 1
161 1017 1 EXTERNAL ROUTINE
162 1018 1 EDT$STI_WSTR,
163 1019 1 EDT$SOUT_FMTBUF,
164 1020 1 EDT$SSC_POSCSIF,
165 1021 1 EDT$SSC_ERATOEOI,
166 1022 1 EDT$STI_WRLN : NOVALUE,
167 1023 1 EDT$FMT_STR : NOVALUE,
168 1024 1 LIB$GET_VM,
169 1025 1 LIB$FREE_VM,
170 1026 1 SYS$EXIT,
171 1027 1 LIB$DATE_TIME,
172 1028 1 LIB$GET_EF,
173 1029 1 LIB$FREE_EF;
174 1030 1
175 1031 1 !+
176 1032 1 ! Define the RABs to be used by EDT
177 1033 1 !-
178 1034 1
179 1035 1 GLOBAL
180 1036 1 EDT$SZ_SYS_PRIAB : $RAB_DECL,
181 1037 1 EDT$SZ_SYS_JOURAB : $RAB_DECL,
182 1038 1 EDT$SZ_SYS_CMDRAB : $RAB_DECL,
183 1039 1 EDT$SZ_SYS_ALTRAB : $RAB_DECL;
184 1040 1
185 1041 1 EXTERNAL
186 1042 1 EDT$SA_FMT_WRRUT, ! Output format routine
187 1043 1 EDT$SG_MESSAGE_LINE, ! Command/message line
188 1044 1 EDT$SG_SECOND : VOLATILE, ! Set to 1 once a second for WORKING message
189 1045 1 EDT$SG_WORKCOUNT; ! Counter to support WORKING message
190 1046 1
```



EDT\$SYSVAX  
V04-000

EDT\$SYSVAX - VAX/VMS system specific storage  
EDT\$\$INTER\_ERR - internal error

E 5  
16-Sep-1984 01:52:10  
14-Sep-1984 12:24:48

VAX-11 Bliss-32 V4.0-742  
DISK\$VMSMASTER:[EDT.SRC]SYSVAX.B32;1 Page 5  
(3)

```
: 192      1047 1 %SBTTL 'EDT$$INTER_ERR - internal error'
: 193      1048 1
: 194      1049 1 GLOBAL ROUTINE EDT$$INTER_ERR          ! Internal error
: 195      1050 1      : NOVALUE =
: 196      1051 1
: 197      1052 1 !++
: 198      1053 1 FUNCTIONAL DESCRIPTION:
: 199      1054 1
: 200      1055 1      If an internal error is detected in EDT, come here to
: 201      1056 1      print a cryptic message and bail out.
: 202      1057 1
: 203      1058 1 FORMAL PARAMETERS:
: 204      1059 1
: 205      1060 1      NONE
: 206      1061 1
: 207      1062 1 IMPLICIT INPUTS:
: 208      1063 1
: 209      1064 1      NONE
: 210      1065 1
: 211      1066 1 IMPLICIT OUTPUTS:
: 212      1067 1
: 213      1068 1      NONE
: 214      1069 1
: 215      1070 1 ROUTINE VALUE:
: 216      1071 1
: 217      1072 1      NONE
: 218      1073 1
: 219      1074 1 SIDE EFFECTS:
: 220      1075 1
: 221      1076 1      Never returns to its caller.
: 222      1077 1
: 223      1078 1 !--
: 224      1079 1
: 225      1080 2 BEGIN
: 226      1081 2 MESSAGES ((INTERERR));
: 227      1082 2 SIGNAL_STOP (EDT$_INTERERR);
: 228      1083 1 END;                                     ! of routine EDT$$INTER_ERR
```

```
.TITLE EDT$SYSVAX EDT$SYSVAX - VAX/VMS system specific
storage
.IDENT \V04-000\
.PSECT _EDT$DATA,NOEXE, PIC,2
```

```
42 4C 48 2E 3A 50 4C 45 48 24 53 59 53 0D 0000 EDT$$T_HDEF_NAM::
00001 .BYTE 13
0000E .ASCII \SYSS$HELP:.HLB\
07 00010 EDT$$T_HDEF_FILE::
50 4C 45 48 54 44 45 00011 .BYTE 7
50 4C 45 48 54 44 45 00018 EDT$$T_HELP_NAM::
0001F .ASCII \EDTHelp\
00117 .BLKB 248
00000007 00118 EDT$$G_HELP_NAMLEN::
```

EDTSSYSVAX  
V04-000

EDTSSYSVAX - VAX/VMS system specific storage  
EDTSS\$INTER\_ERR - internal error

F 5  
16-Sep-1984 01:52:10  
14-Sep-1984 12:24:48

VAX-11 Bliss-32 V4.0-742  
DISK\$VMSMASTER:[EDT.SRC]SYSVAX.B32;1 Page 6  
(3)

```

                                .LONG 7
00000000 0011C EDT$$G_HELP SET::
                                .LONG 0
                                00120 EDT$$Z_LBR_INDEX::
                                .BLKB 4
06 00124 EDT$$T_CMD_NAM_DEF1::
                                .BYTE 6
53 59 53 54 44 45 00125 .ASCII \EDTSYS\
0012B .BLKB 1
10 0012C EDT$$T_CMD_NAM_DEF2::
                                .BYTE 16
44 45 2E 3A 59 52 41 52 42 49 4C 24 53 59 53 0012D .ASCII \SYS$LIBRARY:.EDT\
54 0013C
0013D .BLKB 3
06 00140 EDT$$T_CMD_NAM_DEF3::
                                .BYTE 6
49 4E 49 54 44 45 00141 .ASCII \EDTINI\
00147 .BLKB 1
04 00148 EDT$$T_CMD_NAM_DEF4::
                                .BYTE 4
54 44 45 2E 00149 .ASCII \.EDT\
0014D .BLKB 3
20 20 20 6B 63 65 68 63 20 67 75 42 00150 MESSAGE:.ASCII \Bug check \
FFFFFFFF FFB3B4C0 0015C DEL_TIME:
                                .LONG -5000000, -1
00164 WORKING_EFN:
                                .BLKB 4
00000000 00168 WORK_MESSAGE RUNNING:
                                .LONG 0
00000000 0016C MEM_USE:.LONG 0
3B9ACA00 00170 MEM_LIMIT:
                                .LONG 1000000000
00174 EDT$$Z_SYS_PRIAB::
                                .BLKB 68
001B8 EDT$$Z_SYS_JOURAB::
                                .BLKB 68
001FC EDT$$Z_SYS_CMDRAB::
                                .BLKB 68
00240 EDT$$Z_SYS_ALTRAB::
                                .BLKB 68

                                .EXTRN EDT$$TI_WSTR, EDT$$OUT_FMTBUF
                                .EXTRN EDT$$SC_POSCSIF
                                .EXTRN EDT$$SC_ERATOEOL
                                .EXTRN EDT$$TI_WRLN, EDT$$FMT_STR
                                .EXTRN LIB$GET_VM, LIB$FREE_VM
                                .EXTRN SYS$EXIT, LIB$DATE_TIME
                                .EXTRN LIB$GET_EF, LIB$FREE_EF
                                .EXTRN EDT$$A_FMT_WRRUT
                                .EXTRN EDT$$G_MESSAGE_LINE
                                .EXTRN EDT$$G_SECOND, EDT$$G_WORKCOUNT
                                .EXTRN EDT$_INTERERR

                                .PSECT _EDT$CODE, NOWRT, SHR, PIC, 2

                                .ENTRY EDT$$INTER_ERR, Save nothing
00000000G 8F DD 00002 PUSHL #EDT$_INTERERR
                                : 1049
                                : 1082
```



EDTSSYSVAX  
V04-000

EDTSSYSVAX - VAX/VMS system specific storage  
EDTSSINTER\_ERR - internal error

6 5  
16-Sep-1984 01:52:10  
14-Sep-1984 12:24:48

VAX-11 Bliss-32 V4.0-742  
DISK\$VM\$MASTER:[EDT.SRC]SYSVAX.B32;1 Page 7  
(3)

00000000G 00

01 FB 00008  
04 0000F

CALLS #1, LIB\$STOP  
RET

; 1083

; Routine Size: 16 bytes, Routine Base: \_EDT\$CODE + 0000

; 229 1084 1

```
231 1085 1 %SBTTL 'EDT$$SYS_EXI - exit back to the operating system'
232 1086 1
233 1087 1 GLOBAL ROUTINE EDT$$SYS_EXI (                ! Exit back to the operating system
234 1088 1     STATUS                                ! Exit status code
235 1089 1     ) : NOVALUE =
236 1090 1
237 1091 1 !++
238 1092 1 !FUNCTIONAL DESCRIPTION:
239 1093 1
240 1094 1     Final clean-up
241 1095 1
242 1096 1 FORMAL PARAMETERS:
243 1097 1
244 1098 1     STATUS                Exit status code. 1 = normal.
245 1099 1
246 1100 1 IMPLICIT INPUTS:
247 1101 1
248 1102 1     NONE
249 1103 1
250 1104 1 IMPLICIT OUTPUTS:
251 1105 1
252 1106 1     NONE
253 1107 1
254 1108 1 ROUTINE VALUE:
255 1109 1
256 1110 1     NONE
257 1111 1
258 1112 1 SIDE EFFECTS:
259 1113 1
260 1114 1     Deallocates all heap memory
261 1115 1
262 1116 1 !--
263 1117 1
264 1118 2 BEGIN
265 1119 2
266 1120 2 EXTERNAL ROUTINE
267 1121 2     EDT$$TI_DEAS;
268 1122 2
269 1123 2 MESSAGES ((EDITORABO));
270 1124 2 EDT$$DEA_ALLHEAP ();                ! Deallocate all heap storage
271 1125 2 EDT$$TI_DEAS ();                    ! Deassign the terminal channel
272 1126 2
273 1127 2 %IF EDT$$TR_ACT
274 1128 2 %THEN
275 1129 2 BEGIN
276 1130 2
277 1131 2 LOCAL
278 1132 2     TRACE_STATUS;
279 1133 2
280 1134 2 EXTERNAL ROUTINE
281 1135 2     EDT$$TR_CLS : ADDRESSING_MODE (GENERAL);
282 1136 2
283 1137 2 EXTERNAL
284 1138 2     EDT$$L_TR_INFLG;
285 1139 2
286 1140 2 $$TRACE (EDT$$TR_EXI, EDT$$TR_SEXI, 0, 0);
287 1141 2     TRACE_STATUS = EDT$$TR_CLS (EDT$$L_TR_INFLG);
```



EDT\$SYSVAX  
V04-000

EDT\$SYSVAX - VAX/VMS system specific storage  
EDT\$\$\$SYS\_EXI - exit back to the operating syst

1 5  
16-Sep-1984 01:52:10  
14-Sep-1984 12:24:48

VAX-11 Bliss-32 V4.0-742  
DISK\$VMSMASTER:[EDT.SRC]SYSVAX.B32;1

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(4)

```
: 288      U 1142 2
: 289      U 1143 2      IF ( NOT .TRACE_STATUS) THEN SIGNAL_STOP (.TRACE_STATUS);
: 290      U 1144 2
: 291      U 1145 2      END;
: 292      1146 2      %F1
: 293      1147 2
: 294      1148 2      IF ( NOT .STATUS) THEN SIGNAL_STOP (EDT$_EDITORABO);
: 295      1149 2
: 296      1150 1      END;
```

! of routine EDT\$\$\$SYS\_EXI

```
0000V CF      0000 0000
00000000G 00      00 FB 00002
OD      04      00 FB 00007
00000000G 00      AC E8 0000E
8F DD 00012
01 FB 00018
04 0001F 1$:
```

.EXTRN EDT\$\$TI\_DEAS, EDT\$\_EDITORABO

```
.ENTRY EDT$$$SYS_EXI, Save nothing
CALLS #0, EDT$$DEA_ALLHEAP
CALLS #0, EDT$$TI_DEAS
BLBS STATUS, 1$
PUSHL #EDT$_EDITORABO
CALLS #1, LIB$STOP
RET
```

```
: 1087
: 1124
: 1125
: 1148
:
: 1150
```

; Routine Size: 32 bytes, Routine Base: \_EDT\$CODE + 0010

; 297 1151 1

```
299 1152 1 %SBTTL 'EDT$$GET_DATE - return the date as an ASCII string'
300 1153 1
301 1154 1 GLOBAL ROUTINE EDT$$GET_DATE (
302 1155 1     LEN,
303 1156 1     BUFFER
304 1157 1 ) : NOVALUE =
305 1158 1
306 1159 1 !++
307 1160 1 ! FUNCTIONAL DESCRIPTION:
308 1161 1 !
309 1162 1 !     Return the date and time as an ASCII string.
310 1163 1 !
311 1164 1 ! FORMAL PARAMETERS:
312 1165 1 !
313 1166 1 !     LEN                Length of the buffer in which the date is returned
314 1167 1 !
315 1168 1 !     BUFFER             Address of that buffer.
316 1169 1 !
317 1170 1 ! IMPLICIT INPUTS:
318 1171 1 !
319 1172 1 !     NONE
320 1173 1 !
321 1174 1 ! IMPLICIT OUTPUTS:
322 1175 1 !
323 1176 1 !     NONE
324 1177 1 !
325 1178 1 ! ROUTINE VALUE:
326 1179 1 !
327 1180 1 !     NONE
328 1181 1 !
329 1182 1 ! SIDE EFFECTS:
330 1183 1 !
331 1184 1 !     NONE
332 1185 1 !
333 1186 1 ! --
334 1187 1 !
335 1188 2 BEGIN
336 1189 2
337 1190 2 LOCAL
338 1191 2     DATE_DESC : BLOCK [8, BYTE],
339 1192 2     DATE_TIME_STATUS;
340 1193 2
341 1194 2 MAP
342 1195 2     BUFFER : REF VECTOR [, BYTE];
343 1196 2
344 1197 2 !+
345 1198 2 ! Set up the descriptor for the LIB$ routine
346 1199 2 !-
347 1200 2     DATE_DESC [DSC$W_LENGTH] = 24;
348 1201 2     DATE_DESC [DSC$B_DTYPE] = DSC$K_DTYPE_T;
349 1202 2     DATE_DESC [DSC$B_CLASS] = DSC$K_CLASS_S;
350 1203 2     DATE_DESC [DSC$A_POINTER] = BUFFER [1];
351 1204 2 !+
352 1205 2 ! Now call the routine to get the date and time as string
353 1206 2 !-
354 1207 2     DATE_TIME_STATUS = LIB$DATE_TIME (DATE_DESC);
355 1208 2 !+
```



```

: 356      1209 2 ! Make sure we got a good status from the library routine else stop
: 357      1210 2 !-
: 358      1211 2
: 359      1212 2 IF ( NOT .DATE_TIME_STATUS) THEN SIGNAL_STOP (.DATE_TIME_STATUS);
: 360      1213 2
: 361      1214 2 BUFFER [0] = %C' '; ! begin with a space
: 362      1215 2 BUFFER [21] = %C' i; ! and end with a space
: 363      1216 2
: 364      1217 2 IF (.BUFFER [1] EQL %C' ')
: 365      1218 2 THEN
: 366      1219 2 BEGIN
: 367      1220 2 CH$MOVE (20, BUFFER [2], BUFFER [1]); ! shift left one space
: 368      1221 2 .LEN = 21;
: 369      1222 2 END
: 370      1223 2 ELSE
: 371      1224 2 .LEN = 22;
: 372      1225 2
: 373      1226 1 END; ! of routine EDT$$GET_DATE
```

				003C 00000	.ENTRY EDT\$\$GET_DATE, Save R2,R3,R4,R5	: 1154
	SE			04 C2 00002	SUBL2 #4, SP	
		010E0018		8F DD 00005	PUSHL #17694744	: 1200
	52	08		AC DO 0000B	MOVL BUFFER, R2	: 1203
04	AE	01		A2 9E 0000F	MOVAB 1(R2), DATE_DESC+4	
				5E DD 00014	PUSHL SP	: 1207
00000000G	00			01 FB 00016	CALLS #1, LIB\$DATE TIME	
	09			50 EB 0001D	BLBS DATE_TIME_STATUS, 1\$	: 1212
				50 DD 00020	PUSHL DATE_TIME_STATUS	
00000000G	00			01 FB 00022	CALLS #1, [IB\$STOP	
	62			20 90 00029	MOVB #32, (R2)	: 1214
15	A2			20 90 0002C	MOVB #32, 21(R2)	: 1215
	20	01		A2 91 00030	CMPB 1(R2), #32	: 1217
				0B 12 00034	BNEQ 2\$	
01	A2			14 28 00036	MOVC3 #20, 2(R2), 1(R2)	: 1220
	04	BC		15 DO 0003C	MOVL #21, @LEN	: 1221
				04 00040	RET	: 1217
	04	BC		16 DO 00041	MOVL #22, @LEN	: 1224
				04 00045	RET	: 1226

; Routine Size: 70 bytes, Routine Base: \_EDT\$CODE + 0030

: 374 1227 1

```

: 376 1228 1 %SBTTL 'EDT$$ALO_HEAP - Allocate memory'
: 377 1229 1
: 378 1230 1 GLOBAL ROUTINE EDT$$ALO_HEAP (
: 379 1231 1     SIZE,
: 380 1232 1     ADDRESS
: 381 1233 1 ) =
: 382 1234 1
: 383 1235 1 !++
: 384 1236 1 ! FUNCTIONAL DESCRIPTION:
: 385 1237 1 !
: 386 1238 1 !     Allocate memory.
: 387 1239 1 !
: 388 1240 1 ! FORMAL PARAMETERS:
: 389 1241 1 !
: 390 1242 1 !     SIZE
: 391 1243 1 !           The number of bytes to allocate
: 392 1244 1 !     ADDRESS
: 393 1245 1 !           Place to store address of allocated space
: 394 1246 1 ! IMPLICIT INPUTS:
: 395 1247 1 !
: 396 1248 1 !     NONE
: 397 1249 1 !
: 398 1250 1 ! IMPLICIT OUTPUTS:
: 399 1251 1 !
: 400 1252 1 !     NONE
: 401 1253 1 !
: 402 1254 1 ! ROUTINE VALUE:
: 403 1255 1 !
: 404 1256 1 !     1 = memory successfully allocated, 0 = out of memory.
: 405 1257 1 !
: 406 1258 1 ! SIDE EFFECTS:
: 407 1259 1 !
: 408 1260 1 !     NONE
: 409 1261 1 !
: 410 1262 1 ! --
: 411 1263 1
: 412 1264 2 BEGIN
: 413 1265 2
: 414 1266 2 LOCAL
: 415 1267 2     GET_VM_STATUS;
: 416 1268 2
: 417 1269 2 IF ((.MEM_USE + ..SIZE) GTR .MEM_LIMIT) THEN RETURN (0);
: 418 1270 2
: 419 1271 2 GET_VM_STATUS = LIB$GET_VM (.SIZE, .ADDRESS);
: 420 1272 2
: 421 1273 2 IF ( NOT .GET_VM_STATUS) THEN RETURN (0);
: 422 1274 2
: 423 1275 2 MEM_USE = .MEM_USE + ..SIZE;
: 424 1276 2 RETURN (1);
: 425 1277 1 END;
! of routine EDT$$ALO_HEAP
```

52 00000000' 0004 00000  
EF 9E 00002.ENTRY EDT\$\$ALO\_HEAP, Save R2  
MOVAB MEM\_USE, R2: 1230  
:



EDTSSYSVAX  
V04-000

EDTSSYSVAX - VAX/VMS system specific storage  
EDTSSALO\_HEAP - Allocate memory

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VAX-11 Bliss-32 V4.0-742  
DISK\$VMSMASTER:[EDT.SRC]SYSVAX.B32;1

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50		62	04	BC	C1	00009	ADDL3	@SIZE, MEM_USE, R0	:	1269
	04	A2		50	D1	0000E	CMPL	R0, MEM_LIMIT	:	
				16	14	00012	BGTR	1\$	:	
		7E	04	AC	7D	00014	MOVQ	SIZE, -(SP)	:	1271
00000000G		00		02	FB	00018	CALLS	#2, LIB\$GET_VM	:	
		08		50	E9	0001F	BLBC	GET_VM_STATUS, 1\$	:	1273
		62	04	BC	C0	00022	ADDL2	@SIZE, -MEM_USE	:	1275
		50		01	D0	00026	MOVL	#1, R0	:	1276
					04	00029	RET		:	
				50	D4	0002A	CLRL	R0	:	1277
					04	0002C	RET		:	

; Routine Size: 45 bytes, Routine Base: \_EDT\$CODE + 0076

; 426 1278 1

```

: 428      1279 1 %SBTTL 'EDTSSDEA_HEAP - Deallocate memory'
: 429      1280 1
: 430      1281 1 GLOBAL ROUTINE EDTSSDEA_HEAP (
: 431      1282 1     SIZE,
: 432      1283 1     ADDRESS
: 433      1284 1     ) : NOVALUE =
: 434      1285 1
: 435      1286 1 ++
: 436      1287 1 FUNCTIONAL DESCRIPTION:
: 437      1288 1
: 438      1289 1     Deallocate memory.
: 439      1290 1
: 440      1291 1 FORMAL PARAMETERS:
: 441      1292 1
: 442      1293 1     SIZE                The number of bytes to deallocate
: 443      1294 1
: 444      1295 1     ADDRESS            Place to store address of deallocated space
: 445      1296 1
: 446      1297 1 IMPLICIT INPUTS:
: 447      1298 1
: 448      1299 1     NONE
: 449      1300 1
: 450      1301 1 IMPLICIT OUTPUTS:
: 451      1302 1
: 452      1303 1     NONE
: 453      1304 1
: 454      1305 1 ROUTINE VALUE:
: 455      1306 1
: 456      1307 1     NONE
: 457      1308 1
: 458      1309 1 SIDE EFFECTS:
: 459      1310 1
: 460      1311 1     Signals on error.
: 461      1312 1
: 462      1313 1 --
: 463      1314 1
: 464      1315 2 BEGIN
: 465      1316 2
: 466      1317 2 LOCAL
: 467      1318 2     FREE_VM_STATUS;
: 468      1319 2
: 469      1320 2     FREE_VM_STATUS = LIB$FREE_VM (.SIZE, .ADDRESS);
: 470      1321 2
: 471      1322 2     IF ( NOT .FREE_VM_STATUS) THEN SIGNAL_STOP (.FREE_VM_STATUS);
: 472      1323 2
: 473      1324 2     MEM_USE = .MEM_USE - ..SIZE;
: 474      1325 2     ASSERT (.MEM_USE GEQ 0);
: 475      1326 1 END;
```

! of routine EDTSSDEA\_HEAP

```

00000000G 7E      04      AC 7D 00002
00000000G 00      02  FB 00006
00000000G 09      50  E8 0000D
```

```

.ENTRY EDTSSDEA_HEAP, Save nothing
MOVQ   SIZE, -(SP)
CALLS  #2, LIB$FREE_VM
BLBS   FREE_VM_STATUS, 1$
```

```

: 1281
: 1320
: 1322
```



EDTSSYSVAX  
V04-000

EDTSSYSVAX - VAX/VMS system specific storage  
EDTSS\$DEA\_HEAP - Deallocate memory

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00000000G	00	50	DD	00010	PUSHL	FREE_VM_STATUS	:
00000000'	EF	01	FB	00012	CALLS	#1, CIB\$STOP	:
		BC	C2	00019	SUBL2	@SIZE, MEM_USE	: 1324
		07	18	00021	BGEQ	2\$	: 1325
00000000G	00	00	FB	00023	CALLS	#0, EDT\$\$INTER_ERR	: 1326
		04	0002A	2\$:	RET		:

; Routine Size: 43 bytes, Routine Base: \_EDT\$CODE + 00A3

; 476 1327 1

```

: 478      1328 1 XSBTTL 'EDTSSDEA_ALLHEAP - Deallocate all memory'
: 479      1329 1
: 480      1330 1 GLOBAL ROUTINE EDTSSDEA_ALLHEAP          ! Deallocate all memory
: 481      1331 1   : NOVALUE =
: 482      1332 1
: 483      1333 1   ++
: 484      1334 1   FUNCTIONAL DESCRIPTION:
: 485      1335 1
: 486      1336 1       Deallocate all memory allocated by calls to LIB$GET_VM .
: 487      1337 1
: 488      1338 1   FORMAL PARAMETERS:
: 489      1339 1
: 490      1340 1       NONE
: 491      1341 1
: 492      1342 1   IMPLICIT INPUTS:
: 493      1343 1
: 494      1344 1       EDTSSA_FST_AVLN
: 495      1345 1       EDTSSA_FST_SCRPTR
: 496      1346 1       EDTSSA_BUF_LST
: 497      1347 1       EDTSSA_TRN_TBL
: 498      1348 1       EDTSSA_US_ENT
: 499      1349 1       EDTSSA_US_TXT
: 500      1350 1
: 501      1351 1   IMPLICIT OUTPUTS:
: 502      1352 1
: 503      1353 1       EDTSSA_FST_AVLN
: 504      1354 1       EDTSSA_FST_SCRPTR
: 505      1355 1       EDTSSA_BUF_LST
: 506      1356 1
: 507      1357 1   ROUTINE VALUE:
: 508      1358 1
: 509      1359 1       NONE
: 510      1360 1
: 511      1361 1   SIDE EFFECTS:
: 512      1362 1
: 513      1363 1       Signals on error.
: 514      1364 1
: 515      1365 1   --
: 516      1366 1
: 517      1367 2   BEGIN
: 518      1368 2
: 519      1369 2   EXTERNAL ROUTINE
: 520      1370 2       STR$FREE1 DX,
: 521      1371 2       EDTSSCAN_RDEF;
: 522      1372 2
: 523      1373 2   EXTERNAL
: 524      1374 2       EDTSSA_FST_AVLN,
: 525      1375 2       EDTSSA_FST_SCRPTR,
: 526      1376 2       EDTSSA_BUF_LST,
: 527      1377 2       EDTSSA_TRN_TBL : VECTOR,
: 528      1378 2       EDTSSA_US_ENT : VECTOR,
: 529      1379 2       EDTSSA_US_TXT : VECTOR;
: 530      1380 2
: 531      1381 2   LOCAL
: 532      1382 2       NEW_PTR : REF SCREEN_LINE,
: 533      1383 2       NEW_BUF : REF TBCB_BLOCK,
: 534      1384 2       LEN;
```

! Cancel a key definition



```

535      1385      2      GET_VM_STATUS;
536      1386      2
537      1387      2      !+
538      1388      2      !- Deallocate all buffer headers
539      1389      2      !-
540      1390      2      NEW_BUF = .EDTSSA_BUF_LST;
541      1391      2
542      1392      2      WHILE (.NEW_BUF NEQA 0) DO
543      1393      2      BEGIN
544      1394      2      LEN = .NEW_BUF [TBCB_NAME_LEN] + TBCB_SIZE;
545      1395      2      EDTSSA_BUF_LST = .NEW_BUF [TBCB_NEXT_BUF];
546      1396      2      EDTSSDEA_HEAP (LEN, NEW_BUF);
547      1397      2      NEW_BUF = .EDTSSA_BUF_LST;
548      1398      2      END;
549      1399      2
550      1400      2      !+
551      1401      2      !- Deallocate memory used for screen data structure.
552      1402      2      !-
553      1403      2      NEW_PTR = .EDTSSA_FST_SCRPTR;
554      1404      2
555      1405      2      WHILE (.NEW_PTR NEQA 0) DO
556      1406      2      BEGIN
557      1407      2      EDTSSA_FST_SCRPTR = .NEW_PTR [SCR_NXT_LINE];
558      1408      2      EDTSSDEA_HEAP (%REF (SCR_SIZE), NEW_PTR);
559      1409      2      NEW_PTR = .EDTSSA_FST_SCRPTR;
560      1410      2      END;
561      1411      2
562      1412      2      NEW_PTR = .EDTSSA_FST_AVLN;
563      1413      2
564      1414      2      WHILE (.NEW_PTR NEQA 0) DO
565      1415      2      BEGIN
566      1416      2      EDTSSA_FST_AVLN = .NEW_PTR [SCR_NXT_LINE];
567      1417      2      EDTSSDEA_HEAP (%REF (SCR_SIZE), NEW_PTR);
568      1418      2      NEW_PTR = .EDTSSA_FST_AVLN;
569      1419      2      END;
570      1420      2
571      1421      2      !+
572      1422      2      !- Deallocate virtual storage allocated for entities
573      1423      2      !-
574      1424      2
575      1425      2      INCR ENT_NUM FROM 0 TO 3 DO
576      1426      2      BEGIN
577      1427      2      LEN = CH$RCHAR (.EDTSSA_US_ENT [.ENT_NUM]);
578      1428      2      EDTSSDEA_HEAP (%REF (.LEN + 1), EDTSSA_US_ENT [.ENT_NUM]);
579      1429      2      END;
580      1430      2
581      1431      2      INCR TEXT_NUM FROM 0 TO 1 DO
582      1432      2      BEGIN
583      1433      2      LEN = CH$RCHAR (.EDTSSA_US_TXT [.TEXT_NUM]);
584      1434      2      EDTSSDEA_HEAP (%REF (.LEN + 1), EDTSSA_US_TXT [.TEXT_NUM]);
585      1435      2      END;
586      1436      2
587      1437      2      !+
588      1438      2      !- Deallocate virtual storage reserved for the key definitions
589      1439      2      !-
590      1440      2
591      1441      2      INCR TBL_PTR FROM 0 TO K_KPAD_HASHSIZ - 1 DO
```

! of routine EDT\$\$DEA\_ALLHEAP

PC	Op	Op2	Op3	Op4	Op5	Op6	Op7	Op8	Op9	Op10	Op11	Op12	Op13	Op14	Op15	Op16	Op17	Op18	Op19	Op20	Op21	Op22	Op23	Op24	Op25	Op26	Op27	Op28	Op29	Op30	Op31	Op32	Op33	Op34	Op35	Op36	Op37	Op38	Op39	Op40	Op41	Op42	Op43	Op44	Op45	Op46	Op47	Op48	Op49	Op50	Op51	Op52	Op53	Op54	Op55	Op56	Op57	Op58	Op59	Op60	Op61	Op62	Op63	Op64	Op65	Op66	Op67	Op68	Op69	Op70	Op71	Op72	Op73	Op74	Op75	Op76	Op77	Op78	Op79	Op80	Op81	Op82	Op83	Op84	Op85	Op86	Op87	Op88	Op89	Op90	Op91	Op92	Op93	Op94	Op95	Op96	Op97	Op98	Op99	Op100	Op101	Op102	Op103	Op104	Op105	Op106	Op107	Op108	Op109	Op110	Op111	Op112	Op113	Op114	Op115	Op116	Op117	Op118	Op119	Op120	Op121	Op122	Op123	Op124	Op125	Op126	Op127	Op128	Op129	Op130	Op131	Op132	Op133	Op134	Op135	Op136	Op137	Op138	Op139	Op140	Op141	Op142	Op143	Op144	Op145	Op146	Op147	Op148	Op149	Op150	Op151	Op152	Op153	Op154	Op155	Op156	Op157	Op158	Op159	Op160	Op161	Op162	Op163	Op164	Op165	Op166	Op167	Op168	Op169	Op170	Op171	Op172	Op173	Op174	Op175	Op176	Op177	Op178	Op179	Op180	Op181	Op182	Op183	Op184	Op185	Op186	Op187	Op188	Op189	Op190	Op191	Op192	Op193	Op194	Op195	Op196	Op197	Op198	Op199	Op200	Op201	Op202	Op203	Op204	Op205	Op206	Op207	Op208	Op209	Op210	Op211	Op212	Op213	Op214	Op215	Op216	Op217	Op218	Op219	Op220	Op221	Op222	Op223	Op224	Op225	Op226	Op227	Op228	Op229	Op230	Op231	Op232	Op233	Op234	Op235	Op236	Op237	Op238	Op239	Op240	Op241	Op242	Op243	Op244	Op245	Op246	Op247	Op248	Op249	Op250	Op251	Op252	Op253	Op254	Op255	Op256	Op257	Op258	Op259	Op260	Op261	Op262	Op263	Op264	Op265	Op266	Op267	Op268	Op269	Op270	Op271	Op272	Op273	Op274	Op275	Op276	Op277	Op278	Op279	Op280	Op281	Op282	Op283	Op284	Op285	Op286	Op287	Op288	Op289	Op290	Op291	Op292	Op293	Op294	Op295	Op296	Op297	Op298	Op299	Op300	Op301	Op302	Op303	Op304	Op305	Op306	Op307	Op308	Op309	Op310	Op311	Op312	Op313	Op314	Op315	Op316	Op317	Op318	Op319	Op320	Op321	Op322	Op323	Op324	Op325	Op326	Op327	Op328	Op329	Op330	Op331	Op332	Op333	Op334	Op335	Op336	Op337	Op338	Op339	Op340	Op341	Op342	Op343	Op344	Op345	Op346	Op347	Op348	Op349	Op350	Op351	Op352	Op353	Op354	Op355	Op356	Op357	Op358	Op359	Op360	Op361	Op362	Op363	Op364	Op365	Op366	Op367	Op368	Op369	Op370	Op371	Op372	Op373	Op374	Op375	Op376	Op377	Op378	Op379	Op380	Op381	Op382	Op383	Op384	Op385	Op386	Op387	Op388	Op389	Op390	Op391	Op392	Op393	Op394	Op395	Op396	Op397	Op398	Op399	Op400	Op401	Op402	Op403	Op404	Op405	Op406	Op407	Op408	Op409	Op410	Op411	Op412	Op413	Op414	Op415	Op416	Op417	Op418	Op419
----	----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------



EDTSSYSVAX  
V04-000

EDTSSYSVAX - VAX/VMS system specific storage  
EDTSSDEA\_ALLHEAP - Deallocate all memory

F 6  
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DISK\$VMSMASTER:[EDT.SRC]SYSVAX.B32;1

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				E3	11	00078		BRB	3\$		1418
				52	D4	0007A	4\$:	CLRL	ENT_NUM		1425
				42	DE	0007C	5\$:	MOVAL	EDTSSA_US_ENT[ENT_NUM], R0		1427
		08	AE	00	B0	9A	00084	MOVZBL	@0(R0), LEN		
				50	DD	00089		PUSHL	R0		1428
04	AE	0C	AE		01	C1	0008B	ADDL3	#1, LEN, 4(SP)		
					04	AE	9F	00091	PUSHAB	4(SP)	
				63		02	FB	00094	CALLS	#2, EDTSSDEA_HEAP	
	E1			52		03	F3	00097	AOBLEQ	#3, ENT_NUM, -5\$	1425
					52	D4	0009B	CLRL	TEXT_NUM		1431
				50	DE	0009D	6\$:	MOVAL	EDTSSA_US_TXT[TEXT_NUM], R0		1433
		08	AE	00	B0	9A	000A5	MOVZBL	@0(R0), LEN		
				50	DD	000AA		PUSHL	R0		1434
04	AE	0C	AE		01	C1	000AC	ADDL3	#1, LEN, 4(SP)		
					04	AE	9F	000B2	PUSHAB	4(SP)	
				63		02	FB	000B5	CALLS	#2, EDTSSDEA_HEAP	
	E1			52		01	F3	000B8	AOBLEQ	#1, TEXT_NUM, 6\$	1431
					52	D4	000BC	CLRL	TBL_PTR		1441
				50	DO	000BE	7\$:	MOVL	EDTSSA_TRN_TBL[TBL_PTR], R0		1444
					0D	13	000C6	BEQL	8\$		
				7E		A0	3C	000C8	MOVZWL	4(KEY_PTR), -(SP)	1451
				00		01	FB	000CC	CALLS	#1, EDTSSCAN_KDEF	
					E9	11	000D3	BRB	7\$		1444
	E1			52	8F	F3	000D5	AOBLEQ	#198, TBL_PTR, 7\$		1441
					04	000DD		RET			1456

; Routine Size: 222 bytes, Routine Base: \_EDT\$CODE + 00CE

; 607 1457 1

```

: 609 1458 1 %SBTTL 'WORKAST - take a timer AST for the WORKING message'
: 610 1459 1 ROUTINE WORKAST ! Take a timer AST for the WORKING message
: 611 1460 1 : NOVALUE =
: 612 1461 1
: 613 1462 1 ++
: 614 1463 1 FUNCTIONAL DESCRIPTION:
: 615 1464 1
: 616 1465 1 Take a timer AST for the WORKING message.
: 617 1466 1
: 618 1467 1 FORMAL PARAMETERS:
: 619 1468 1
: 620 1469 1 NONE
: 621 1470 1
: 622 1471 1 IMPLICIT INPUTS:
: 623 1472 1
: 624 1473 1 WORK_MESSAGE_RUNNING
: 625 1474 1
: 626 1475 1 IMPLICIT OUTPUTS:
: 627 1476 1
: 628 1477 1 EDT$$G_SECOND
: 629 1478 1
: 630 1479 1 ROUTINE VALUE:
: 631 1480 1
: 632 1481 1 NONE
: 633 1482 1
: 634 1483 1 SIZE EFFECTS:
: 635 1484 1
: 636 1485 1 Arranges to print the WORKING message on the screen.
: 637 1486 1
: 638 1487 1 --
: 639 1488 1
: 640 1489 2 BEGIN
: 641 1490 2
: 642 1491 2 IF .WORK_MESSAGE_RUNNING
: 643 1492 2 THEN
: 644 1493 3 BEGIN
: 645 1494 3 EDT$$G_SECOND = 1;
: 646 1495 3 $SETIMR (DAYTIM = DEL_TIME, ASTADR = WORKAST, REQIDT = EDT$$G_WORKCOUNT);
: 647 1496 2 END;
: 648 1497 2
: 649 1498 1 END; ! of routine WORKAST
```

```

                                .EXTRN  SYS$SETIMR
                                0000 00000 WORKAST: .WORD  Save nothing
                                0000 00002          BLBC   WORK_MESSAGE_RUNNING, 1$
00000000G 1F 00000000' EF E9 00002          MOVL   #1, EDT$$G_SECOND
                                00 9F 00009          PUSHAB EDT$$G_WORKCOUNT
                                C0000000G 00 9F 00010          PUSHAB WORKAST
                                E7 AF 9F 00016          PUSHAB DEL_TIME
                                00000000' EF 9F 00019          CLRL  -(SP)
                                7E D4 0001F          CALLS  #4, SYS$SETIMR
00000000G 00 04 FB 00021          RET
                                04 00028 1$:
```

; Routine Size: 41 bytes, Routine Base: \_EDT\$CODE + 01AC

EDTSSYSVAX  
V04-000

EDTSSYSVAX - VAX/VMS system specific storage  
WORKAST - take a timer AST for the WORKING mess

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```

: 651      1499 1 %SBTTL 'EDTSSSTART_WKINGMSG - initiate the 'working' timer'
: 652      1500 1
: 653      1501 1 GLOBAL ROUTINE EDTSSSTART_WKINGMSG          ! Initiate the 'working' timer
: 654      1502 1      : NOVALUE =
: 655      1503 1
: 656      1504 1      ++
: 657      1505 1      FUNCTIONAL DESCRIPTION:
: 658      1506 1
: 659      1507 1          Start the timer which will cause the 'working' message
: 660      1508 1          to print occasionally until it is cancelled.
: 661      1509 1
: 662      1510 1      FORMAL PARAMETERS:
: 663      1511 1
: 664      1512 1          NONE
: 665      1513 1
: 666      1514 1      IMPLICIT INPUTS:
: 667      1515 1
: 668      1516 1          DEL_TIME
: 669      1517 1          WORRAST
: 670      1518 1          WORK_MESSAGE_RUNNING
: 671      1519 1
: 672      1520 1      IMPLICIT OUTPUTS:
: 673      1521 1
: 674      1522 1          EDTSSG_WORKCOUNT
: 675      1523 1          WORKING_EFN
: 676      1524 1          WORK_MESSAGE_RUNNING
: 677      1525 1
: 678      1526 1      ROUTINE VALUE:
: 679      1527 1
: 680      1528 1          NONE
: 681      1529 1
: 682      1530 1      SIDE EFFECTS:
: 683      1531 1
: 684      1532 1          Allocates an event flag.
: 685      1533 1          Signals any errors.
: 686      1534 1
: 687      1535 1      --
: 688      1536 1
: 689      1537 2      BEGIN
: 690      1538 2
: 691      1539 2      LOCAL
: 692      1540 2          GETEF_STATUS,
: 693      1541 2          SETIMR_STATUS;
: 694      1542 2
: 695      1543 2      !+
: 696      1544 2      !- If the 'working' message is already running, don't start it again.
: 697      1545 2      !-
: 698      1546 2
: 699      1547 2      IF .WORK_MESSAGE_RUNNING THEN RETURN;
: 700      1548 2
: 701      1549 2      GETEF_STATUS = LIB$GET_EF (WORKING_EFN);
: 702      1550 2
: 703      1551 2      IF ( NOT .GETEF_STATUS) THEN SIGNAL_STOP (.GETEF_STATUS);
: 704      1552 2
: 705      1553 2      SETIMR_STATUS = $SETIMR (EFN = .WORKING_EFN, DAYTIM = DEL_TIME, ASTADR = WORKAST,
: 706      1554 2          REQIDT = EDTSSG_WORKCOUNT);
: 707      1555 2
```

EDTSSYSVAX  
V04-000

EDTSSYSVAX - VAX/VMS system specific storage.  
EDT\$\$START\_WKINGMSG - initiate the "working" t

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```
: 708      1556 2      IF ( NOT .SETIMR_STATUS) THEN SIGNAL_STOP (.SETIMR_STATUS);  
: 709      1557 2  
: 710      1558 2      EDT$$G WORKCOUNT = 0;  
: 711      1559 2      WORK_MESSAGE_RUNNING = 1;  
: 712      1560 1      END;
```

! of routine EDT\$\$START\_WKINGMSG

			001C 00000	.ENTRY	EDT\$\$START WKINGMSG, Save R2,R3,R4	: 1501
	54	00000000G	00 9E 00002	MOVAB	EDT\$\$G WORKCOUNT, R4	
	53	00000000G	00 9E 00009	MOVAB	LIB\$STOP, R3	
	52	00000000G	EF 9E 00010	MOVAB	WORK_MESSAGE_RUNNING, R2	
	31		62 E8 00017	BLBS	WORK_MESSAGE_RUNNING, 3\$	: 1547
		FC	A2 9F 0001A	PUSHAB	WORKING EFN	: 1549
00000000G	00		01 FB 0001D	CALLS	#1, LIB\$GET EF	
	05		50 E8 00024	BLBS	GETEF_STATUS, 1\$	: 1551
			50 DD 00027	PUSHL	GETEF_STATUS	
	63		01 FB 00029	CALLS	#1, LIB\$STOP	
			54 DD 0002C 1\$:	PUSHL	R4	: 1554
		A6	AF 9F 0002E	PUSHAB	WORKAST	
		F4	A2 9F 00031	PUSHAB	DEL TIME	
		FC	A2 DD 00034	PUSHL	WORKING EFN	
00000000G	00		04 FB 00037	CALLS	#4, SYS\$SETIMR	
	05		50 E8 0003E	BLBS	SETIMR_STATUS, 2\$	: 1556
			50 DD 00041	PUSHL	SETIMR_STATUS	
	63		01 FB 00043	CALLS	#1, LIB\$STOP	
			64 D4 00046 2\$:	CLRL	EDT\$\$G WORKCOUNT	: 1558
	62		01 D0 00048	MOVL	#1, WORK_MESSAGE_RUNNING	: 1559
			04 0004B 3\$:	RET		: 1560

; Routine Size: 76 bytes, Routine Base: \_EDT\$CODE + 01D5

; 713 1561 1

```
: 715 1562 1 %SBTTL 'EDTSS$STOP_WKINGMSG - cancel the 'working' timer'
: 716 1563 1
: 717 1564 1 GLOBAL ROUTINE EDTSS$STOP_WKINGMSG ! Cancel the 'working' timer
: 718 1565 1 : NOVALUE =
: 719 1566 1
: 720 1567 1 ++
: 721 1568 1 FUNCTIONAL DESCRIPTION:
: 722 1569 1
: 723 1570 1 Cancel the 'working' timer. The 'working' message will not print
: 724 1571 1 until it is initiated again. Also, erase the working message.
: 725 1572 1
: 726 1573 1 FORMAL PARAMETERS:
: 727 1574 1
: 728 1575 1 NONE
: 729 1576 1
: 730 1577 1 IMPLICIT INPUTS:
: 731 1578 1
: 732 1579 1 WORKING_EFN
: 733 1580 1 EDTSS$G_WORKCOUNT
: 734 1581 1 WORK_MESSAGE_RUNNING
: 735 1582 1 EDTSS$G_MESSAGE_LINE
: 736 1583 1
: 737 1584 1 IMPLICIT OUTPUTS:
: 738 1585 1
: 739 1586 1 WORK_MESSAGE_RUNNING
: 740 1587 1
: 741 1588 1 ROUTINE VALUE:
: 742 1589 1
: 743 1590 1 NONE
: 744 1591 1
: 745 1592 1 SIDE EFFECTS:
: 746 1593 1
: 747 1594 1 Deallocates an event flag.
: 748 1595 1 Repositions the cursor to beginning of message line
: 749 1596 1
: 750 1597 1 --
: 751 1598 1
: 752 1599 2 BEGIN
: 753 1600 2
: 754 1601 2 LOCAL
: 755 1602 2 FORMAT_ROUTINE,
: 756 1603 2 FREEEF_STATUS,
: 757 1604 2 CANTIM_STATUS;
: 758 1605 2
: 759 1606 2 !+
: 760 1607 2 !- If the 'working' message is not running, do nothing.
: 761 1608 2
: 762 1609 2
: 763 1610 2 IF ( NOT .WORK_MESSAGE_RUNNING) THEN RETURN;
: 764 1611 2
: 765 1612 2 WORK_MESSAGE_RUNNING = 0;
: 766 1613 2 CANTIM_STATUS = $CANTIM (REQIDT = EDTSS$G_WORKCOUNT);
: 767 1614 2
: 768 1615 2 IF ( NOT .CANTIM_STATUS) THEN SIGNAL_STOP (.CANTIM_STATUS);
: 769 1616 2
: 770 1617 2 FREEEF_STATUS = LIB$FREE_EF (WORKING_EFN);
: 771 1618 2
```



```

: 772      1619 2      IF ( NOT .FREEEF_STATUS) THEN SIGNAL_STOP (.FREEEF_STATUS);
: 773      1620 2
: 774      1621 2      !+
: 775      1622 2      Erase the working message when it is stopped if not already done
: 776      1623 2      !-
: 777      1624 2      FORMAT_ROUTINE = .EDTSSA_FMT_WRRUT;
: 778      1625 2      EDTSSA_FMT_WRRUT = EDTSSI_WRRUT;
: 779      1626 2
: 780      1627 2      IF (.EDTSSG_WORKCOUNT)
: 781      1628 2      THEN
: 782      1629 2      BEGIN
: 783      1630 2      EDTSSC_POSCSIF (.EDTSSG_MESSAGE_LINE + 1, 0);
: 784      1631 2      EDTSSC_ERATOEOI ();
: 785      1632 2      EDTSSOUT_FMTBUF ();
: 786      1633 2      END;
: 787      1634 2
: 788      1635 2      !+
: 789      1636 2      If "working" was printed then reposition the cursor to the left-most
: 790      1637 2      position of the prompt.
: 791      1638 2      !-
: 792      1639 2
: 793      1640 2      IF (.EDTSSG_WORKCOUNT NEQ 0)
: 794      1641 2      THEN
: 795      1642 2      BEGIN
: 796      1643 2      EDTSSC_POSCSIF (.EDTSSG_MESSAGE_LINE + 1, 0);
: 797      1644 2      EDTSSOUT_FMTBUF ();
: 798      1645 2      END;
: 799      1646 2
: 800      1647 2      EDTSSA_FMT_WRRUT = .FORMAT_ROUTINE;
: 801      1648 2      EDTSSG_SECOND = 0;
: 802      1649 1      END;

```

! of routine EDTSSSTOP\_WKINGMSG

				.EXTRN	SYSSCANTIM	
				.ENTRY	EDTSSSTOP_WKINGMSG, Save R2,R3,R4,R5,R6,R7,-;	1564
				MOVAB	EDTSSOUT_FMTBUF, R9	
				MOVAB	EDTSSC_POSCSIF, R8	
				MOVAB	EDTSSG_MESSAGE_LINE, R7	
				MOVAB	LIBSTOP, R6	
				MOVAB	WORK_MESSAGE_RUNNING, R5	
				MOVAB	EDTSSA_FMT_WRRUT, R4	
				MOVAB	EDTSSG_WORKCOUNT, R3	
				BLBC	WORK_MESSAGE_RUNNING, 5\$	1610
				CLRL	WORK_MESSAGE_RUNNING	1612
				CLRL	-(SP)	1613
				PUSHL	R3	
				CALLS	#2, SYSSCANTIM	
				BLBS	CANTIM_STATUS, 1\$	1615
				PUSHL	CANTIM_STATUS	
				CALLS	#1, LIBSTOP	
				PUSHAB	WORKING_EFN	1617
				CALLS	#1, LIB\$FREE_EF	
				BLBS	FREEEF_STATUS, 2\$	1619
				PUSHL	FREEEF_STATUS	

  

				03FC 00000	
59	00000000G	00	9E 00002		
58	00000000G	00	9E 00009		
57	00000000G	00	9E 00010		
56	00000000G	00	9E 00017		
55	00000000'	EF	9E 0001E		
54	00000000G	00	9E 00025		
53	00000000G	00	9E 0002C		
60		65	E9 00033		
		65	D4 00036		
		7E	D4 00038		
		53	DD 0003A		
00000000G	00	02	FB 0003C		
	05	50	E8 00043		
		50	DD 00046		
	66	01	FB 00048		
		A5	9F 0004B 1\$:		
00000000G	00	01	FB 0004E		
	05	50	E8 00055		
		50	DD 00058		

EDTSSYSVAX  
V04-000

EDTSSYSVAX - VAX/VMS system specific storage  
EDTSSSTOP\_WKINGMSG - cancel the "working" time

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	66	01	FB	0005A	CALLS	#1, LIB\$STOP	:	
	52	64	D0	0005D	2\$:	EDTSSA_FMT_WRRUT, FORMAT ROUTINE	:	1624
	64	00	9E	00060	MOVAB	EDTSSI_WSTR, EDTSSA_FMT_WRRUT	:	1625
	13	63	E9	00067	BLBC	EDTSSG_WORKCOUNT, 3\$	:	1627
		7E	D4	0006A	CLRL	-(SP)	:	1630
7E	67	01	C1	0006C	ADDL3	#1, EDTSSG_MESSAGE_LINE, -(SP)	:	
	68	02	FB	00070	CALLS	#2, EDTSSC_POSCSIF	:	
00000000G	00	00	FB	00073	CALLS	#0, EDTSSC_ERATOEOL	:	1631
	69	00	FB	0007A	CALLS	#0, EDTSSOUT_FMTBUF	:	1632
		63	D5	0007D	3\$:	EDTSSG_WORKCOUNT	:	1640
		0C	13	0007F	TSTL	4\$	:	
		7E	D4	00081	BEQL	-(SP)	:	1643
7E	67	01	C1	00083	CLRL	#1, EDTSSG_MESSAGE_LINE, -(SP)	:	
	68	02	FB	00087	ADDL3	#2, EDTSSC_POSCSIF	:	
	69	00	FB	0008A	CALLS	#0, EDTSSOUT_FMTBUF	:	1644
	64	52	D0	0008D	CALLS	FORMAT_ROUTINE, EDTSSA_FMT_WRRUT	:	1647
00000000G	00	D4	00090	4\$:	MOVAB	EDTSSG_SECOND	:	1648
		04	00096	5\$:	CLRL		:	1649
					RET		:	

; Routine Size: 151 bytes, Routine Base: \_EDT\$CODE + 0221

; 803 1650 1

```

: 805      1651 1 %SBTTL 'EDT$$MSG_TOSTR - print a system message'
: 806      1652 1
: 807      1653 1 GLOBAL ROUTINE EDT$$MSG_TOSTR (                ! Print a system message
: 808      1654 1     MESS_NUM                                ! message number
: 809      1655 1     ) : NOVALUE =
: 810      1656 1
: 811      1657 1 ++
: 812      1658 1     FUNCTIONAL DESCRIPTION:
: 813      1659 1
: 814      1660 1         Print a system message, given its message number.
: 815      1661 1
: 816      1662 1     FORMAL PARAMETERS:
: 817      1663 1
: 818      1664 1         MESS_NUM                The number of the message to print
: 819      1665 1
: 820      1666 1     IMPLICIT INPUTS:
: 821      1667 1
: 822      1668 1         NONE
: 823      1669 1
: 824      1670 1     IMPLICIT OUTPUTS:
: 825      1671 1
: 826      1672 1         NONE
: 827      1673 1
: 828      1674 1     ROUTINE VALUE:
: 829      1675 1
: 830      1676 1         NONE
: 831      1677 1
: 832      1678 1     SIDE EFFECTS:
: 833      1679 1
: 834      1680 1         Prints a message on the terminal.
: 835      1681 1
: 836      1682 1     --
: 837      1683 1
: 838      1684 2     BEGIN
: 839      1685 2
: 840      1686 2     LOCAL
: 841      1687 2         MSGBUF : BLOCK [CH$ALLOCATION (80)],
: 842      1688 2         MSGDESC : VECTOR [2],
: 843      1689 2         MSGLEN;
: 844      1690 2
: 845      1691 2         MSGDESC [0] = 80;
: 846      1692 2         MSGDESC [1] = MSGBUF;
: 847      1693 2         $GETMSG (MSGID = .MESS_NUM, MSGLEN = MSGLEN, BUFADR = MSGDESC, FLAGS = 1);
: 848      1694 2         EDT$$FMT_STR (MSGBUF, .MSGLEN<0, 16>);
: 849      1695 1     END;

```

! of routine EDT\$\$MSG\_TOSTR

.EXTRN SYSS\$GETMSG

```

          0000 00000
          04 5E      A4 AE 9E 00002
          08 AE      50 8F 9A 00006
              AE      0C AE 9E 0000B
              7E      01 7D 00010
              OC AE 9F 00013
              OC AE 9F 00016

```

```

.ENTRY EDT$$MSG_TOSTR, Save nothing
MOVAB -92(SP), SP
MOVZBL #80, MSGDESC
MOVAB MSGBUF, MSGDESC+4
MOVQ #1, -(SP)
PUSHAB MSGDESC
PUSHAB MSGLEN

```

```

: 1653
: 1691
: 1692
: 1693
:

```



EDTSSYSVAX  
V04-000

EDTSSYSVAX - VAX/VMS system specific storage  
EDTSSMSG\_TOSTR - print a system message

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00000000G	00	04	AC	DD	00019
	7E		05	FB	0001C
			6E	3C	00023
		10	AE	9F	00026
00000000G	00		02	FB	00029
			04	00	00030

PUSHL	MESS_NUM
CALLS	#5, SYSSGETMSG
MOVZWL	MSGLEN, -(SP)
PUSHAB	MSGBUF
CALLS	#2, EDTSSFMT_STR
RET	

:	
:	
:	1694
:	
:	
:	1695

; Routine Size: 49 bytes, Routine Base: \_EDT\$CODE + 02B8

: 850	1696	1
: 851	1697	1 !<BLF/PAGE>

EDT\$SYSVAX  
V04-000

EDT\$SYSVAX - VAX/VMS system specific storage  
EDT\$\$MSG\_TOSTR - print a system message

C 7  
16-Sep-1984 01:52:10  
14-Sep-1984 12:24:48

VAX-11 Bliss-32 V4.0-742  
DISK\$VMSMASTER:[EDT.SRC]SYSVAX.B32;1 Page 29 (13)

: 853 1698 1 END  
: 854 1699 1  
: 855 1700 0 ELUDOM

! of module EDT\$SYSVAX

.EXTRN LIB\$STOP

#### PSECT SUMMARY

Name	Bytes	Attributes
EDT\$DATA	644	NOVEC, WRT, RD, NOEXE, NOSHR, LCL, REL, CON, PIC, ALIGN(2)
EDT\$CODE	745	NOVEC, NOWRT, RD, EXE, SHR, LCL, REL, CON, PIC, ALIGN(2)

#### Library Statistics

File	----- Total	Symbols Loaded	----- Percent	Pages Mapped	Processing Time
\$255\$DUA28:[SYSLIB]STARLET.L32;1	9776	14	0	581	00:02.6
\$255\$DUA28:[EDT.SRC]EDT.L32;1	377	37	9	40	00:00.8
\$255\$DUA28:[EDT.SRC]PSECTS.L32;1	2	1	50	7	00:00.1
\$255\$DUA28:[EDT.SRC]KEYPADDEF.L32;1	34	6	17	7	00:00.2

#### COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS\$:SYSVAX/OBJ=OBJ\$:SYSVAX MSRC\$:SYSVAX.B32/UPDATE=(ENH\$:SYSVAX)

: Size: 745 code + 644 data bytes  
: Run Time: 00:43.4  
: Elapsed Time: 00:58.6  
: Lines/CPU Min: 2351  
: Lexemes/CPU-Min: 8231  
: Memory Used: 153 pages  
: Compilation Complete



0140

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